

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1 - (currently amended) A Planar planar antenna realised on a substrate ~~(2)~~ comprising a slot ~~(1)~~ of closed shape dimensioned to operate at a given frequency in a short-circuit plane of at least one feed-line ~~(3, 4)~~, characterized in that ~~the~~ the perimeter of the slot is being selected such that $p = k\lambda_s$ where k is an integer greater than 1 and λ_s the guided wavelength in the slot, ~~and in that it comprises at least said antenna comprising a~~ first feed-line ~~(3)~~ placed in an open circuit zone of the slot and a second feed-line ~~(4)~~ placed at a distance $d = (2n+1) \lambda_s/4$ from the first line, where n is an integer greater than or equal to zero.

2 - (currently amended) The Antenna antenna according to of claim 1, ~~characterized in that~~ wherein each feed-line terminates in an open circuit and is coupled to the slot according to a line/slot coupling such that the length of the line after the transition equals $(2k'+1)\lambda_m/4$ where λ_m is the guided wavelength under the line and k' a positive or null integer.

3 - (currently amended) The Antenna antenna according to of claim 1, ~~characterized in that~~ wherein each feed-line is coupled to the slot according to a line/slot coupling with a microstrip line terminated by a short-circuit located at $(2k'+1)\lambda_m/4$ where λ_m is the guided wavelength under the line and k' a positive or null integer.

4 - (currently amended) The Antenna antenna according to of claim 1, characterized in that wherein each feed-line is coupled magnetically to the slot according to a tangential line/slot transition.

5 – (currently amended) ~~The Antenna antenna according to one of claims 1 to 3, characterized in that~~ claim 1, wherein the feed-lines are realised in microstrip technology, coplanar technology or by a coaxial cable.

6 – (currently amended) ~~The Antenna antenna according to any one of the above claims, characterized in that~~ of claim 1, wherein the shape of the slot is an annular (1), square (40), rectangular (10, 20), polygonal (30), shape or is in a clover leaf form (50).

7 – (currently amended) ~~The Antenna antenna according to of claim 6, characterized in that~~ wherein for a slot of rectangular shape (20), the feed-lines (21, 22) are equidistant from an axis of symmetry (x, x') of the slot.

8 – (currently amended) ~~The Antenna antenna according to claim 6, characterized in that~~ of claim 6, wherein for a slot of rectangular shape (20), one of the feed-lines (21, 22) is positioned according to an axis of symmetry (x, x') of the slot.

9 – (currently amended) ~~The Antenna antenna according to any one of the above claims, characterized in that it is~~ of claim 1, where the feed lines are connected to a transmission/reception means enabling a diversity of reception.